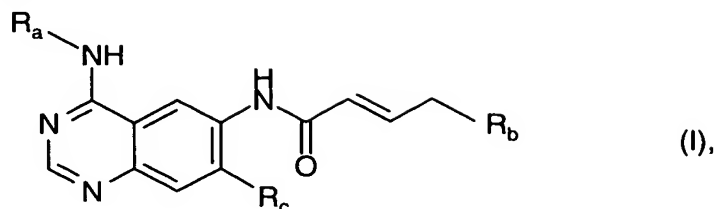


We Claim:

1. A compound of general formula I



wherein:

R_a is a benzyl, 1-phenylethyl, or 3-chloro-4-fluorophenyl group;

R_b is a dimethylamino, *N*-methyl-*N*-ethylamino, diethylamino, *N*-methyl-*N*-isopropylamino, *N*-methyl-*N*-cyclopropylamino, *N*-methyl-*N*-(2-methoxyethyl)amino, *N*-ethyl-*N*-(2-methoxyethyl)amino, bis(2-methoxyethyl)amino, morpholino, *N*-methyl-*N*-(tetrahydrofuran-3-yl)amino, *N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino, *N*-methyl-*N*-(tetrahydrofuran-3-ylmethyl)amino, *N*-methyl-*N*-(tetrahydropyran-4-yl)amino, or *N*-methyl-*N*-(tetrahydropyran-4-ylmethyl)amino group; and

R_c is a cyclopropylmethoxy, cyclobutylloxy, cyclopentylloxy, tetrahydrofuran-3-yloxy, tetrahydrofuran-2-ylmethoxy, tetrahydrofuran-3-ylmethoxy, tetrahydropyran-4-yloxy, or tetrahydropyran-4-ylmethoxy group,

or a tautomer, stereoisomer, or salt thereof.

2. The compound of claim 1, with the exception of the compounds:

- ✓ (1) 3-chloro-4-fluorophenylamino]-6-[[4-(*N,N*-diethylamino)-1-oxo-2-buten-1-yl]amino]-7-cyclopropylmethoxyquinazoline;
- ✓ (2) 4-[(3-chloro-4-fluorophenyl)amino]-6-[[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino]-7-cyclopropylmethoxyquinazoline;

(3) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;

(4) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclobutyloxyquinazoline;

(5) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclopentyloxyquinazoline;

✓ (6) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclobutyloxyquinazoline;

(7) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopentyloxyquinazoline;

(8) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclobutyloxyquinazoline;

(9) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;

(10) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-cyclopentyloxyquinazoline;

(11) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclobutyloxyquinazoline;

(12) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopentyloxyquinazoline;

(13) 4-[(R)-(1-phenylethyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;



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- (14) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[bis(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (15) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-ethyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (16) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydropyran-4-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (17) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-2-yl)methoxy]quinazoline;
- (18) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(*S*)-(tetrahydrofuran-3-yl)oxy]quinazoline;
- (19) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydropyran-4-yl)oxy]quinazoline;
- (20) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline; and
- (21) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydrofuran-3-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline,

or a tautomer, stereoisomer, or salt thereof.

3. The compound of one of claims 1 or 2, with the exception of the compounds:

- (1) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;

- (2) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclopropylmethoxyquinazoline;
- (3) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(dimethylamino)-1-oxo-2-buten-1-yl}amino}-7-cyclopropylmethoxyquinazoline;
- (4) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclobutyloxyquinazoline;
- (5) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclopentyloxyquinazoline;
- (6) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(diethylamino)-1-oxo-2-buten-1-yl}amino}-7-cyclobutyloxyquinazoline;
- (7) 4-[(3-chloro-4-fluorophenyl)amino]-6-{{4-(diethylamino)-1-oxo-2-buten-1-yl}amino}-7-cyclopentyloxyquinazoline;
- (8) 4-[(R)-(1-phenylethyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclobutyloxyquinazoline;
- (9) 4-[(R)-(1-phenylethyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclopropylmethoxyquinazoline;
- (10) 4-[(R)-(1-phenylethyl)amino]-6-{{4-(morpholin-4-yl)-1-oxo-2-buten-1-yl}amino}-7-cyclopentyloxyquinazoline;
- (11) 4-[(R)-(1-phenylethyl)amino]-6-{{4-(diethylamino)-1-oxo-2-buten-1-yl}amino}-7-cyclobutyloxyquinazoline;
- (12) 4-[(R)-(1-phenylethyl)amino]-6-{{4-(diethylamino)-1-oxo-2-buten-1-yl}amino}-7-cyclopentyloxyquinazoline;

- (13) 4-[(*R*)-(1-phenylethyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;
- (14) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[bis(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (15) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-ethyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (16) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydropyran-4-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (17) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-2-yl)methoxy]quinazoline;
- (18) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(*S*)-(tetrahydrofuran-3-yl)oxy]quinazoline;
- (19) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydropyran-4-yl)oxy]quinazoline;
- (20) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydrofuran-2-yl)methyl]amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (21) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydrofuran-3-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;
- (22) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-(2-methoxyethyl)-*N*-methylamino]-1-oxo-2-buten-1-yl}amino)-7-cyclopropylmethoxyquinazoline;

- (23) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[bis(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclobutyloxyquinazoline;
- (24) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclobutyloxyquinazoline;
- (25) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[(*S*)-*N*-methyl-*N*-(tetrahydrofuran-3-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclobutyloxyquinazoline;
- (26) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[(*R*)-*N*-methyl-*N*-(tetrahydrofuran-3-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclobutyloxyquinazoline;
- (27) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(tetrahydropyran-4-yl)amino]-1-oxo-2-buten-1-yl}amino)-7-cyclobutyloxyquinazoline;
- (28) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[(*R*)-*N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino]-1-oxo-2-buten-1-yl}-amino)-7-cyclobutyloxyquinazoline;
- (29) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[(*S*)-*N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino]-1-oxo-2-buten-1-yl}-amino)-7-cyclobutyloxyquinazoline;
- (30) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-(tetrahydrofuran-3-yloxy)quinazoline;
- (31) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-(tetrahydropyran-4-yloxy)quinazoline;
- (32) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N*-methyl-*N*-(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-(tetrahydrofuran-2-ylmethoxy)quinazoline; and
- (33) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N*-cyclopropyl-*N*-methylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline,

or a tautomer, stereoisomer, or salt thereof.

4. The compound of general formula I according to claim 1, wherein:

R_a is a 1-phenylethyl or 3-chloro-4-fluorophenyl group;

R_b is a dimethylamino, *N*-methyl-*N*-ethylamino, diethylamino, *N*-methyl-*N*-isopropylamino, *N*-methyl-*N*-cyclopropylamino, *N*-methyl-*N*-(2-methoxyethyl)amino, *N*-ethyl-*N*-(2-methoxyethyl)amino, bis(2-methoxyethyl)amino, morpholino, *N*-methyl-*N*-(tetrahydrofuran-3-yl)amino, *N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino, *N*-methyl-*N*-(tetrahydrofuran-3-ylmethyl)amino, *N*-methyl-*N*-(tetrahydropyran-4-yl)amino, or *N*-methyl-*N*-(tetrahydropyran-4-ylmethyl)amino group; and

R_c is a cyclopropylmethoxy, cyclobutyloxy, cyclopentyloxy, tetrahydrofuran-3-yloxy, tetrahydrofuran-2-ylmethoxy, tetrahydrofuran-3-ylmethoxy, tetrahydropyran-4-yloxy, or tetrahydropyran-4-ylmethoxy group,

or a tautomer, stereoisomer, or salt thereof.

5. The compound of general formula I according to claim 2, wherein:

R_a is a 1-phenylethyl or 3-chloro-4-fluorophenyl group;

R_b is a dimethylamino, *N*-methyl-*N*-ethylamino, diethylamino, *N*-methyl-*N*-isopropylamino, *N*-methyl-*N*-cyclopropylamino, *N*-methyl-*N*-(2-methoxyethyl)amino, *N*-ethyl-*N*-(2-methoxyethyl)amino, bis(2-methoxyethyl)amino, morpholino, *N*-methyl-*N*-(tetrahydrofuran-3-yl)amino, *N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino, *N*-methyl-*N*-(tetrahydrofuran-3-ylmethyl)amino, *N*-methyl-*N*-(tetrahydropyran-4-yl)amino, or *N*-methyl-*N*-(tetrahydropyran-4-ylmethyl)amino group; and

R_c is a cyclopropylmethoxy, cyclobutyloxy, cyclopentyloxy, tetrahydrofuran-3-yloxy, tetrahydrofuran-2-ylmethoxy, tetrahydrofuran-3-ylmethoxy, tetrahydropyran-4-yloxy, or tetrahydropyran-4-ylmethoxy group,

or a tautomer, stereoisomer, or salt thereof.

6. The compound of general formula I according to claim 3, wherein:

R_a is a 1-phenylethyl or 3-chloro-4-fluorophenyl group;

R_b is a dimethylamino, *N*-methyl-*N*-ethylamino, diethylamino, *N*-methyl-*N*-isopropylamino, *N*-methyl-*N*-cyclopropylamino, *N*-methyl-*N*-(2-methoxyethyl)amino, *N*-ethyl-*N*-(2-methoxyethyl)amino, bis(2-methoxyethyl)amino, morpholino, *N*-methyl-*N*-(tetrahydrofuran-3-yl)amino, *N*-methyl-*N*-(tetrahydrofuran-2-ylmethyl)amino, *N*-methyl-*N*-(tetrahydrofuran-3-ylmethyl)amino, *N*-methyl-*N*-(tetrahydropyran-4-yl)amino, or *N*-methyl-*N*-(tetrahydropyran-4-ylmethyl)amino group; and

R_c is a cyclopropylmethoxy, cyclobutyloxy, cyclopentyloxy, tetrahydrofuran-3-yloxy, tetrahydrofuran-2-ylmethoxy, tetrahydrofuran-3-ylmethoxy, tetrahydropyran-4-yloxy, or tetrahydropyran-4-ylmethoxy group,

or a tautomer, stereoisomer, or salt thereof.

7. A compound selected from the group consisting of:

(a) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclobutyloxyquinazoline;

(b) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopentyloxyquinazoline;

- (c) 4-[(*R*)-(1-phenylethyl)amino]-6-{[4-(*N,N*-bis(2-methoxyethyl)amino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;
- (d) 4-[(*R*)-(1-phenylethyl)amino]-6-([4-[*N*-(2-methoxyethyl)-*N*-ethylamino]-1-oxo-2-buten-1-yl]amino)-7-cyclopropylmethoxyquinazoline;
- (e) 4-[(*R*)-(1-phenylethyl)amino]-6-([4-[*N*-(2-methoxyethyl)-*N*-methylamino]-1-oxo-2-buten-1-yl]amino)-7-cyclopropylmethoxyquinazoline;
- (f) 4-[(*R*)-(1-phenylethyl)amino]-6-([4-[*N*-(tetrahydropyran-4-yl)-*N*-methylamino]-1-oxo-2-buten-1-yl]amino)-7-cyclopropylmethoxyquinazoline;
- (g) 4-[(*R*)-(1-phenylethyl)amino]-6-([4-[*N*-(tetrahydrofuran-3-yl)-*N*-methylamino]-1-oxo-2-buten-1-yl]amino)-7-cyclopropylmethoxyquinazoline;
- (h) 4-[(3-chloro-4-fluorophenyl)amino]-6-([4-{*N*-[(tetrahydrofuran-3-yl)methyl]-*N*-methylamino]-1-oxo-2-buten-1-yl]amino)-7-cyclopropylmethoxyquinazoline;
- (i) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-((*R*)-tetrahydrofuran-3-yloxy)quinazoline;
- (j) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-((*S*)-tetrahydrofuran-3-yloxy)quinazoline;
- (k) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-(tetrahydropyran-4-yloxy)quinazoline;
- (l) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-2-yl)methoxy]quinazoline;
- (m) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-3-yl)methoxy]quinazoline;

- (o) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-diethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-3-yl)methoxy]quinazoline;
- (p) 4-[(*R*)-(1-phenylethyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopropylmethoxyquinazoline;
- (q) 4-[(3-chloro-4-fluorophenyl)amino]-6-({4-[*N,N*-bis(2-methoxyethyl)amino]-1-oxo-2-buten-1-yl}amino)-7-[(tetrahydrofuran-2-yl)methoxy]quinazoline;
- (r) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(morpholin-4-yl)-1-oxo-2-buten-1-yl]amino}-7-[(tetrahydrofuran-2-yl)methoxy]quinazoline;
- (s) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N*-cyclopropyl-*N*-methylamino)-1-oxo-2-buten-1-yl]amino}-7-cyclopentylmethoxyquinazoline; and
- (t) 4-[(3-chloro-4-fluorophenyl)amino]-6-{[4-(*N,N*-dimethylamino)-1-oxo-2-buten-1-yl]amino}-7-[(*S*)-(tetrahydrofuran-2-yl)methoxy]quinazoline, or

a tautomer, the stereoisomer, or salt thereof.

8. A compound according to one of claims 1, 2, 4, 5, or 7, wherein the compound is a physiologically acceptable salt.
9. A compound according to claim 3, wherein the compound is a physiologically acceptable salt.
10. A compound according to claim 6, wherein the compound is a physiologically acceptable salt.
11. A pharmaceutical composition comprising a compound according to one of claims 1, 2, 4, 5, or 7, and one or more inert carriers and/or diluents.

12. A pharmaceutical composition comprising a compound according to claim 3, and one or more inert carriers and/or diluents.

13. A pharmaceutical composition comprising a compound according to claim 6, and one or more inert carriers and/or diluents.

14. A pharmaceutical composition comprising a compound according to claim 8, and one or more inert carriers and/or diluents.

15. A pharmaceutical composition comprising a compound according to claim 9, and one or more inert carriers and/or diluents.

16. A pharmaceutical composition comprising a compound according to claim 10, and one or more inert carriers and/or diluents.

17. A method of preventing or treating benign or malignant tumors, diseases of the airways and lungs, and diseases of the gastrointestinal tract, bile duct, and gall bladder in a patient in need thereof, the method comprising administering to the patient an effective amount of a compound according to one of claims 1, 2, 4, 5, or 7.

18. A method of preventing or treating benign or malignant tumors, diseases of the airways and lungs, and diseases of the gastrointestinal tract, bile duct, and gall bladder in a patient in need thereof, the method comprising administering to the patient an effective amount of a compound according to claim 3.

19. A method of preventing or treating benign or malignant tumors, diseases of the airways and lungs, and diseases of the gastrointestinal tract, bile duct, and gall bladder in a patient in need thereof, the method comprising administering to the patient an effective amount of a compound according to claim 6.